Lake Sammamish Initiative: Status of Short-Term Actions

Project	Scope	April 1996	March 1997	September 1997	August 1998	December 1998	December 1999	December 2000	December 2001	December 2002	December 2003
1. Valley Growers Nursery	Improve runoff from nursery; incorporate storm water controls into future Park 'n Ride Lot	City of Issaquah in June and July 1995; DOT and Metro scheduled to construct lot in 1996.	First phase has been completed. Runoff problems concerning livestock solved; area has been regraded and seeded. Second phase: Issaquah Parks and Metro Transit are conducting active negotiations; retrofitting has been funded by Metro Transit.	No change		Area is being developed as park and ride lot by King County/ Metro. Final paving to be completed by 4/30/99.	Park & Ride lot is finished. Project is completed with stormwater ponds.	No change	No change	No change.	No change.

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2. Issaquah State Fish Hatchery	Connect hatchery discharge from pond cleanings to Metro sanitary sewer diverting wastewater from creek and lake.	Shoreline improvement funds located for hatchery waste water diversion expenses. Metro advertised for a change in the water rights diversion point which would allow the hatchery to consume water (thus sending it to Renton treatment plant). Ok from Dept. of Ecology is pending. Cost for diversion estarchery	Water right diversion permitted by Dept. of Ecology. Hook-up fee to divert pond washings to sewer system estimated at \$325,000. Annual O& M expected to be \$20,000 - 25,000. No funds identified at this point.	Feasibility study of treat- ment and di- version alterna- tives being conducted; completion scheduled for October 1997.	Feasibility study com- pleted in Spring '98.	Waste water treatment facility still being planned for implementation at the hatchery. The new facility will have a water re-use component as well as demonstrating new technology for waste water treatment.	Requests for Proposals for design and construction of a solar aquatic water purification greenhouse was advertised by King County Wastewater Treatment Division. The structure will provide further treatment for hatchery cleaning operation waters. In addition to water	A Notice to Proceed for Design to Construct was issued in June, 2000. Sverdrup Civil has proceeded with initial design. the project was placed in a holding pattern in September 2000 when design and construction costs escalated. Any construction start date will be determined later	WDFW de- terimined that maintenance costs for the greenhouse proposal would be prohibitive and has re- quested an al- ternative pro- posal involving	CPOSA staff in WLRD evaluated several alternatives for work at the hatchery. WTD selected option to contribute funds towards environmental education at the hatchery. Staff revised environmental education signage proposed by Friends of Issaquah Salmon Hatchery. WTD will contribute \$50,000 to preparation and installation of the signs in early 2003.	\$50,000 in WTD funding for an educa- tional koisk was provided to the Friends of the Issaquah Salmon Hatchery (FISH) in 2003. Installa- tion to be completed in first quarter of 2004.

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3. Sunset Quarry	Correct runoff problems generated by quarry operations	Minimum grading fees are being paid in order that permits do not expire. Work to reroute Tibbetts Creek/construct additional holding ponds has not been initiated to date. Private /	Pacific Topsoils has leased 50 acres of the site. The company is interested in cor-	Evaluation of site mitigation for 50 acres is underway. King County Parks has final review of man-	No change	Perimeter properties not needing	Restoration plan was resubmitted to DDES in Octo- ber 1999 for ap- proval.	Reclamation permit in limbo pending (1) submittal of ad- ditional hydro- logic and geo- logic information from property owner Pacific Topsoils; and (2) clarification of	DDES termi- nated its review of the proposed revised recla- mation plan after Pacific Topsoils failed to respond to requests for supplemental technical infor- mation to sup- port their pro-	A Stop work was issued to Pacific Topsoils for working with an expired permit and in a manner con- trary to what is allowed under	Pacific Topsoils revised their operating plan

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4. Bianca Mine	Stabilize eroding mine spoils on Tibbetts Creek tributary	King County capital project: design and permits 1995-1996; construction in 1997. Cost estimated at \$620,000.	Land has been annexed to City of Issaquah. King County has completed the alternative design report and is working with Issaquah to transfer responsibility. Final construction costs will depend upon solution chosen. Evaluation of solution has been added to the East Village EIS assessment and Issaquah capital projects list.	Issaquah evaluating cost share options with King County.	1998 No change	Cost sharing currently being explored between East Village development and Corps of Engineers.	The City of Issaquah completed a development agreement with Intracorp for the Cougar Mountain East Village development to take ownership of this property. City is working with the Corps of Engineers through the Lake Washington Ecosystem Restoration Study to address bank stabilization and habitat improvement options for this property. A feasibility study is underway.	Project still under evaluation	Corps of Engi- neers invol- vment ended after City deter-	fully completed	Monitoring and maintenance continue.
5. Interpace Mine	Stabilize eroding mine spoils on Tibbetts Creek tributary	SWM is currently preparing pre- liminary project scope and cost estimates; de- pendent on geo- technical analy- sis. SWM will coordinate with land owner for solution.	Preliminary scope and cost esti- mates complete. The project is on the King County CIP list for fund- ing through a 1998 bond.	No change	Proposed for construction in '99 if bond goes through.	Since problem is on private prop- erty and the re- sult of owners actions, a cost share remedy will be offered. Offer not extended to owner - awaiting prioritization from watershed group.	Project was proposed to the US Army Corps of Engineers for cost-sharing, but was recently denied. Project will likely be dropped.	No change.	No change.	No change.	Santana trucking is currently operating site and has applied for a sand and gravel permit. They have installed erosion contro, but the site is still a significant source of sediment to Tibbetts Creek.

Projec	Scope	April	March	September	August	December	December	December	December	December	December
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6. Inspect Progra for Nev Develo ment	and sediment	the DDES in-	basin dedicated inspector in 1997. Contractor education and coordination with public and private sectors will be	Lake Sam- mamish in- spector position proposed in King County Water and	Proposed in DDES budget through new fee ordinance for continuation in 1999.	fee ordinance and ESA. One continues to be dedicated to Lake	gram continues in King County and the City of Issaquah and has been initiated by	No Change	ary of drainage area annexed by City of Bellevue. TESC program continues to inspect permits issued by County. TESC inspection for City permits not included in ILA's.	poration of the City of Sam-	No change.

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7	. Basin- wide edu- cation program	Continue and expand education programs in all 4 jurisdictions to inform residents of household best management practices and source controls	Media campaign; bus placards; real estate training; new resident packets; \$150,000 per year.	Expanded educational program focusing on best management practices and source controls for businesses, landscapes, forest practices, agricul-tural practices, and households will be implemented in the basin in 1997.	Program continuation proposed in King County Water and Land Resources 1998 budget.	Proposed for continuation in WLRD budget for 1999 and also included in Issaquah, Bellevue, and Redmond budget proposals.		Education activities continue throughout the basin and in the Cities of Issaquah, Bellevue & Redmond. In addition, a stewardship program has been active in the Sammamish Basin during 1999.	No Change—stewardship services were not given to the City of Sammamish and most of the ELS basin		Stewardship program is active in the Issaquah Basin with ongoing education activities provided by both the City of Issaquah and King County Water and Land Resources Division. City of Redmond partnered with King Co in presenting a series of three workshops within Lake Sammamish Basin on Natural Yard Care. City of Redmond continues city-wide effort in volunteer stewardship, water conservation education, Salmon Watchers Program, and recycling.	City of Redmond continues city-wide effort in volunteer stew-ardship, water conservation education and recycling. King County WLR coordinated the Salmon Watcher Program with Lake Sammamish cities. City of Issaquah and King County WLR are erecting interpretive sign at restoration sites. City of Issaquah has an active volunteer water quality monitoring program. A citizen/agency workgroup called Issaquah Basin Action Team (IBAT) to promote education and outreach in the basin. King County WLR works collaboratively with Sammamish cities to work with landowners to restore streamside native vegetation.

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8. Sensitive Lake Standard for New Develop ment	new standards for water quality control (50% removal of TP) into King County Surface Water Design Manual update;	three months.	is in review; adoption of 50 percent total phosphorus lake protection stan- dard for KC por- tion is expected in 1997. Stan-	implemented through SEPA in the non- Issaquah Creek drainage basin in King County to extent possi- ble. Manual adoption ex- pected by end of 1997 or first quarter of 1998.	King County ordinance in January '98 for Lake Sam- mamish Basin. Adopted in June '98 as part of revised Design Man- ual Ordinance for all of King	Done	Implementation continues.	No change	No change	No change.	No change.

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9. Kelly Ranch	Develop and implement farm management plan; fence and re-vegetate banks of Tibbetts Creek.	veloped plan July	Property is for sale. Several interested parties have come forward including a condominium developer and East Village developer.	No change	No change.	Property now annexed to City of Issaquah. City is investigating riparian protection options.	conservation and construction easements along	Owner has refused a conservation easement, but the City is still pursuing a construction easement in the belief that the construction investment will be protected through the City's Sensitive Areas Ordinance.	restoration work at Kelly Ranch was included in Developer Agreement be- tween Cougar Mountain East Village (Intra- corp) and City of Issaquah. \$100k. Use of farm for horses	City is incorporating Kelly ranch channel restoration and buffer enhancements into Tibbetts Creek Greenway Project – Tibbetts Manor Reach, scheduled for construction in 2003.	The Kelly Ranch was included in the 2003 Tibbetts Creek Green- way Project stream restora- tion project at Tibbetts Valley Park. This \$760,000 City of Issaquah project restored about 1500 feet of stream. The work on the Kelly Ranch was not as ex- tensive as the work in the Park. However, past concerns about water quality impacts from the Kelly Ranch horses is largely gone as he only has a few horses left.

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	erosion created by Phantom Creek by re- constructing stream channel	action October 1995; ILA with County Parks; Task Force ad- vising design op- tions; cost de- pendent upon final design. MOU signed between Bellevue and	complete design work. City of Bellevue has completed site survey. Final de- signs being de-	sign alterna- tives completed	Trail work began in 1997. Bellevue currently working on final construction.	Completed.					

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11. Idylwood Creek	Correct drainage problems and bank erosion along creek	Evaluation and design 1995-1996; County coordination with Bellevue and Redmond. Still in progress.	Divided into two parts: 1. Severe bank erosion has occurred in several locations; city drainage has been jeopardized. The area was stabilized by the City of Redmond during the summer of 1996. 2. A basin level project will be developed in spring/fall 1997 (Idylwood Park); construction expected in mid-1998.	No change	Most severe area being addressed.	Enhanced design report completed on entire basin and includes control of erosion as well as fish passage improvements.	Stormwater Facilities Plan for Idylwood Creek completed by RW Beck. Includes evalutation of alternatives for a high-flow bypass, in-stream & riparian zone restoration & stabilization, and fish passage under West Lake Sammamish Parkway. High-flow bypass and Phase 1 (Idylwood Park) of instream habitat improvements & bank stabilization scheduled for construction in 2001.	cludes high flow bypass, fish passage im- provements un- der West Lake Sammamish Parkway and modifications to Idlywood Creek downstream from WLSP. HPA from WSDFW has been approved. Biological as- sessment has been written and	Proceeding as forecast. NMFS has approved the project. Advertising for bids in mid-March 2002 and anticipate issueing the notice to proceed in June.	Construction of 3500 If of by-pass pipe, culvert improvements for fish passage and 700 feet of channel reconstructed substantially completed in Dec 2002 at cost of approx \$3.5 mil. Monitoring plan forthcoming.	Monitoring plan for previous work scheduled for April 2004. Preliminary design in progress for improvements to 1700 If of channel in upper reach. Construction anticipated in 2005 with funding from Clean Water Fund Loan. Several easements have been granted by private property owners. City of Redmond negotiating for remaining easements.

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12. Regional Stormwater Treatment Feasibility Study	The objective of this study is to determine the feasibility of developing a regional stormwater treatment facility in the Lake Sammamish Basin. This issue was previously identified as a concern in the Lake Sammamish Water Quality Management Report (1996).						Grant funding (\$250,000) was obtained from US EPA in fall 1999.	A contractor has been selected and the scope and budget for the project should be final-	A contract was signed with Gray and Osborne, Inc. in mid-2001. Work was initiated on the project in September 2001. The contractor continues to progress with the project.	Contractor has completed a draft report. Preliminary assessment indicated that regional treatment is not a feasible option at this time. Final report will be prepared in Spring 2003.	The final study was published and a new scope of work developed for unexpended grant funds. The new scope of work outlines a process to determine the treatment effectiveness of water quality facilities in the Lake Sammamish basin that are built in compliance with the Lake Protection Standards. Their phosphorous removal goal is implemented through stormwater treatment facilities, including wetponds and sand filters and the study will try to determine if these treatment facilities actually achieve the goal.